

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented): An apparatus for curing a coating on an object, said coating consisting of a material which cures under electromagnetic radiation, the apparatus including
at least one radiation emitter producing electromagnetic radiation;
a conveyor system, which conveys the object into the vicinity of the radiation emitter and away again therefrom;
wherein the conveyor system comprising:
at least one transport carriage, which is displaceable translationally on at least one running surface and comprises:
a drive motor for the translational movement;
a support frame which is configured to be pivoted independently of the translational movement about a first axis extending perpendicularly to the direction of the translational movement; and, at least one arm having a first end pivotably attached to the support frame to pivot about the first axis and a second end configured to pivot about a second axis different than the first axis.
2. (Cancelled)
3. (Previously Presented): An apparatus according to claim 1, wherein the transport carriage is displaceable translationally on two parallel running surfaces.
4. (Withdrawn): An apparatus according to claim 1, further comprising a container open towards the conveying plane of the conveyor system, it being possible to introduce the object into the interior of said container by pivoting or swivelling the support frame and to expose said interior to electromagnetic radiation from at least one radiation emitter.
5. (Withdrawn): An apparatus according to claim 4, wherein at least one radiation emitter is installed in a wall or the floor of the container.

6. (Withdrawn): An apparatus according to claim 5, wherein at least one radiation emitter is arranged in the opposing side walls extending parallel to the translational movement of the objects and at least in one of the two end walls extending perpendicularly to the translational movement of the objects or in the floor of the container.
7. (Withdrawn): An apparatus according to claim 5, wherein a plurality of radiation emitters is arranged on all the walls and in the floor of the container.
8. (Withdrawn): An apparatus according to claim 1, wherein a plurality of radiation emitters are provided in a U-shaped arrangement with two substantially vertical legs and a substantially horizontal base.
9. (Withdrawn): An apparatus according to claim 8, wherein the approximately vertical legs of the U-shaped arrangement of radiation emitters are adapted to the profile of the lateral contour of the objects.
10. (Withdrawn): An apparatus according to claim 8, wherein the approximately vertical legs of the U-shaped arrangement of radiation emitters are segmented and the segments are adjustable relative to one another.
11. (Withdrawn): An apparatus according to claim 8, wherein the base of the U-shaped arrangement of radiation emitters is adapted to the profile of the contour of the objects.
12. (Withdrawn and currently amended): An apparatus according to claim 8, wherein the base of the U-shaped arrangement of radiation emitters (~~112~~) is segmented and the segments are adjustable relative to one another.
13. (Withdrawn and currently amended): An apparatus according to claim 4, wherein a protective gas may be fed to the interior of the container (~~2; 102~~).
14. (Withdrawn): An apparatus according to claim 13, wherein the protective gas is heavier than air, and the container is open at the top.

15. (Withdrawn): An apparatus according to claim 13, wherein the protective gas is lighter than air, and in that the container is constructed as a hood open at the bottom.
16. (Withdrawn): An apparatus according to claim 13, wherein the protective gas is at the same time a cooling gas for the radiation emitters.
17. (Withdrawn): An apparatus according to claim 13, wherein a device is provided which directs the protective gas towards the surface zone of the object exposed to the radiation emitter.
18. (Withdrawn): An apparatus according to claim 1, wherein a device is provided which blasts the object with a directed protective gas stream prior to entry into the radiation field of the radiation emitter or the protective gas atmosphere.
19. (Withdrawn): An apparatus according to claim 1, wherein a mobile reflector is associated with at least one radiation emitter on the side remote from the object.
20. (Withdrawn): An apparatus according to claim 4, wherein the container is lined with a reflective layer.
21. (Withdrawn): An apparatus according to claim 20, wherein the reflective layer consists of aluminium foil.
22. (Withdrawn): An apparatus according to claim 21, wherein the aluminium foil comprises a plurality of uneven areas, for example is creased.
23. (Withdrawn): An apparatus according to claim 1, further comprising a booth housing, which prevents uncontrolled escape of gases and electromagnetic radiation.
24. (Withdrawn): An apparatus according to claim 23, wherein an airlock is provided for the transport carriage at each of the in- and outlet of the booth housing.
25. (Withdrawn): An apparatus according to claim 23, wherein a device is provided for removing the oxygen from the atmosphere inside the booth housing.

26. (Withdrawn): An apparatus according to claim 25, wherein the device for removing the oxygen comprises a catalyst for catalytic binding of the oxygen.

27. (Withdrawn): An apparatus according to claim 25, wherein the device for removing the oxygen comprises a filter for absorbing oxygen.

28. (Withdrawn): An apparatus according to claim 25, wherein the device for removing the oxygen comprises a filter for adsorbing oxygen.

29. (Withdrawn): An apparatus according to claim 1, further comprising a preheating zone for removing solvent from the coating material.

30. (Withdrawn): An apparatus according to claim 1, further comprising a preheating zone for gelling pulverulent coating material.

31. (Withdrawn): An apparatus according to claim 1, wherein a measuring station is mounted upstream of the at least one radiation emitter in the conveying direction, said measuring station being used to detect the three-dimensional shape data of the object.

32. (Withdrawn): An apparatus according to claim 31, wherein the measuring station comprises at least one optical scanner, by which the object may be scanned at least in one spatial direction.

33. (Withdrawn): An apparatus according to claim 32, wherein the optical scanner comprises an infrared light source.

34. (Withdrawn): An apparatus according to claim 31, wherein the measuring station comprises a video camera and a device for digital imaging.

35. (Withdrawn): An apparatus according to claim 31, wherein the data obtained from the measuring station may be stored in a control device, which reads these data out again during subsequent movement of the object past the at least one radiation emitter and uses them to control the movement of the object.

36. (Withdrawn): An apparatus according to claim 31, wherein the measuring station is arranged in the immediate vicinity of the at least one radiation emitter and a control device is provided, which uses the data obtained from the measuring station without a time delay directly to control the movement of the object.

37. (Withdrawn): An apparatus according to claim 36, wherein the measuring station comprises at least one light barrier.

38. (Withdrawn): An apparatus according to claim 1, wherein a control device is provided in which the three-dimensional shape data associated with a specific type of object may be stored and retrieved therefrom if required.

39. (Withdrawn): An apparatus according to claim 1, wherein a plurality of radiation emitters are provided in irregular arrangement.

40. (Withdrawn): An apparatus according to claim 1, wherein the electromagnetic radiation is UV light.

41. (Withdrawn): An apparatus according to claim 1, wherein the electromagnetic radiation is IR light.

42. (Withdrawn) A method of curing a coating on an object, in particular on a vehicle body, said coating consisting of a material which cures under electromagnetic radiation, in particular of a UV-curing paint or a heat curing paint, said method comprising the steps of:

a) providing an apparatus having at least one radiation emitter producing electromagnetic radiation in a radiation zone and a conveyer system said conveyer system comprising:

at least one transport carriage which is displaceable translationally on at least one running surface and comprises:

a drive motor for the translational movement;

a support frame to which the object is attachable and is configured to pivot about an axis extending perpendicularly to the direction of the translational movement;

b) moving the object through the radiation zone of the at least one radiation emitter by pivoting the support frame and providing translational movement of the transport carriage such that that all surface zones of the object are exposed to a sufficient amount and intensity of radiation to cure a material on the surface zones of the object.

43. (Withdrawn) The method of claim 42 wherein the transport carriage comprises at least one arm having an outer end which is pivotably attached to the support frame and configured to pivot the support frame about the first axis and an opposing inner end configured to pivot about a second axis.

44. (Withdrawn) The method of claim 42 wherein the transport carriage is movable on two parallel running surfaces.

45. (Withdrawn and currently amended) The method of claim ~~[[46]]~~43 wherein the transport carriage is movable on two parallel running surfaces.